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The Phytoplankton-Zooplankton Link under Anthropogenic Pressures

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Message from the Guest Editors

Human activities, such as fisheries, aquaculture, industrial, and agricultural pollution, and artificial structures, greatly impact plankton communities, by modifying the networks of interaction between their main components, i.e., phytoplankton and zooplankton. The perturbation of phytoplankton–zooplankton coupling may modify the structure of aquatic food webs, and, as a consequence, the biological carbon fluxes of the plankton itself, all over the water column, from the nekton to the benthos. Investigating how and to what extent human pressures cause alterations at the phytoplankton–zooplankton interface is crucial to preserving aquatic biodiversity and ecosystem services.

This topical collection is open to high-quality contributions relating human activities and plankton biodiversity, structure, and function, response to direct or indirect anthropogenic stressors, food web efficiency and variation in time and space, resistance and resilience of plankton communities, adaptation, and acclimation to pollutants and changing thermal and hydrogeologic regimes. Contributions pertaining to either marine or freshwater systems are welcome.

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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